

What is claimed is:

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8. The semi-rigid mold member as recited in claim 7, further comprising a rigid reinforcement insert between said third ply and said fourth ply.

9. The semi-rigid mold member as recited in claim 8, wherein said reinforcement insert includes a metallic sheet.

10. The semi-rigid mold member as recited in claim 7, wherein said third ply and said fourth ply include a fiber reinforced fluoroelastomer material.

11. A composite molding apparatus, comprising:
a rigid mold member; and
a semi-rigid mold member matable with said rigid mold member, said semi-rigid mold member including a sieve member sandwiched therein.
12. The composite molding apparatus as recited in claim 11, wherein said semi-rigid mold member comprises a first ply and said second ply, said sieve member adjacent said first ply and said second ply.
13. The composite molding apparatus as recited in claim 12, wherein said first ply and said second ply include a fluoroelastomer material.
14. The composite molding apparatus as recited in claim 12, further comprising a third ply adjacent said second ply, and a fourth ply adjacent said third ply.
15. The composite molding apparatus as recited in claim 14, further comprising a rigid reinforcement insert between said third ply and said fourth ply.
16. The composite molding apparatus as recited in claim 15, wherein said rigid reinforcement insert includes a metallic plate.
17. The composite molding apparatus as recited in claim 14, wherein said third ply and said fourth ply include a fiber reinforced fluoroelastomer material.

